

WHAT IS CLAIMED IS:

1. A liquid crystal display module for a notebook computer, comprising:
 - a liquid crystal display panel in which a liquid crystal is injected between two substrates;
 - a light guide panel for converting incident light from a light source to a flat type light, wherein the converted light is directed toward said liquid crystal display panel;
 - a reflector wrapping the bottom surface of said light guide panel;
 - a main support containing said liquid crystal display panel and said light guide panel;and
 - a clamping member disposed in said reflector and adjacent said main support for fixing them.
2. The liquid crystal display module according to claim 1, wherein said clamping member includes:
 - a protrusion projected with a fixed height from said main support; and
 - a hole which is formed in the reflector and through which said protrusion of said main support penetrates.
3. The liquid crystal display module according to claim 2, wherein the protrusion includes a boss.
4. The liquid crystal display module according to claim 1, further comprising:

an optical sheet between said liquid crystal display panel and said light guide panel for diffusing light that passes through said light guide panel and adjusting a direction of the light;

a bottom cover wrapping a rear surface of said reflector and the side surface and a bottom surface of said main support; and

a top case wrapping a side surface of said main support and said bottom cover, and wrapping an upper edge of said main support.

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5. The liquid crystal display module according to claim 1, further comprising:

an optical sheet between said liquid crystal display panel and said light guide panel for diffusing light that passes through said light guide panel or adjusting a direction of the light;

a bottom cover wrapping a rear surface of said reflector and the side surface and a bottom surface of said main support; and

a top case wrapping a side surface of said main support and said bottom cover, and wrapping an upper edge of said main support.

6. The liquid crystal display module according to claim 4, the main support including a protrusion, wherein said bottom cover includes a hole through which the protrusion of said main support penetrates.

7. The liquid crystal display module according to claim 6, wherein the protrusion includes a boss.

8. The liquid crystal display module according to claim 1, wherein said main support includes a guide surface engaged with a part of the reflector for fixing said reflector in the horizontal direction.

9. A method of fabricating a liquid crystal display module for a notebook computer including assembling a liquid crystal display panel, a light source, a light guide panel, a reflector and an optical sheet into a main support, comprising:

turning said main support over such that a region including a receiving space of a back light unit and said liquid crystal display panel faces upward;
depositing at least one optical sheet in the receiving space of said main support;
putting said light guide panel on said optical sheet; and
putting said reflector on said light guide panel.

10. The method according to claim 9, further comprising:
mounting onto said main support, a bottom cover wrapping a rear surface of said reflector and a side surface and a bottom surface of said main support;
turning said main support over again;
putting said liquid crystal display panel on said twice turned-over main support; and
mounting a top case wrapping the edge of said liquid crystal display panel and the side surface of said main support.

11. The method according to claim 9, wherein a protrusion is formed in a region of said main support for fixing said reflector.

12. The method according to claim 11, wherein the protrusion includes a boss.

13. The method according to claim 9, wherein a first hole is formed in said reflector for receiving the protrusion of said main support.

14. The method according to claim 10, wherein a second hole is formed in said bottom cover for receiving the protrusion of said main support.

15. The method according to claim 10, wherein the protrusion of said main support is inserted into said first hole when said reflector is disposed on said light guide panel so that said main support and said reflector are fixed as soon as said reflector is mounted on said main support.

16. A method of fabricating a liquid crystal display module for a notebook computer, comprising:

providing a main support having a receiving space facing upward, wherein the main support includes a protrusion projected from a surface of said main support to a fixed height;

providing a light guide panel within said receiving space; and

providing a reflector on the light guide panel such that a portion of said reflector is fixed to said main support by the protrusion of said main support, wherein said reflector wraps a surface of the light guide panel.

17. The method according to claim 16, wherein the protrusion includes a boss.

18. The method according to claim 16, further comprising:

mounting onto said main support, a bottom cover wrapping a surface of said reflector and a side surface and a bottom surface of said main support;
turning said main support over;
putting a liquid crystal display panel on said turned-over main support and over said light guide panel; and

mounting a top case wrapping the edge of said liquid crystal display panel and the side surface of said main support.

19. The method according to claim 16, wherein

said reflector wraps a surface of the light guide panel and extends beyond said light guide panel; and wherein said reflector is fixed to said main support at a location corresponding to a portion of said reflector that extends beyond said light guide panel.

20. The method according to claim 19, wherein said protrusion of said main support penetrates through a first hole formed in said reflector.

21. The method according to claim 18, wherein a second hole is formed in said bottom cover for receiving the protrusion of said main support.

22. A method of fabricating a liquid crystal display module, comprising:
providing a main support, wherein said main support includes a protrusion projected to a fixed height from a surface of said main support;
providing an optical sheet within a receiving space formed in the main support;

providing a light guide panel on said optical sheet;
providing a reflector on said light guide panel;
providing a bottom cover on said reflector;
providing a liquid crystal display panel on said optical sheet; and
providing a top case on said liquid crystal display panel, said main support, and said bottom cover,

wherein said protrusion penetrates a portion of said reflector.

23. A liquid crystal display module, comprising:
a main support, wherein said main support includes a protrusion projected to a fixed height from a surface of said main support;
an optical sheet within a receiving space formed in the main support;
a light guide panel on said optical sheet;
a reflector on said light guide panel;
a bottom cover on said reflector;
a liquid crystal display panel on said optical sheet; and
a top case on said liquid crystal display panel, said main support, and said bottom cover,

wherein said protrusion penetrates a portion of said reflector.